



Features

- 12.1" Wide Resistive or PCAP Touchscreen
- Intel Celeron J6412 Quad Core Processor
- Designed for flexible IO expansion
- Windows 11 Capabilities
- Die Cast Aluminum Housing and IP66 Rated Front Bezel

Technical Specifications

General

Main Category Industrial Computer

Primary Components

Processor Family Intel Celeron Elkhart Lake
Processor Model Celeron J6412
Processor Speed 2.0 GHz, Up to 2.6 GHz
Memory Type 1x DDR4 SO-DIMM
Memory Support 4GB, 8GB, 16GB, 32GB
Storage type 1x M.2 SATA3 2242 Slot
Storage support M.2: 256GB-1TB

Display

Screen Size 12.1"
Resolution 1280 x 800 (WXGA)
Screen Ratio 16:10
Brightness 600 nits, Optional 1000 nit High Brightness
Contrast Ratio 1000:1
Viewing Angle 170° (H), 170° (V), 176° (H), 176° (V) High Brightness
Number of Colors Supported 16.7M

Expansion Slots

Internal Mini PCIe 1x Mini-PCIe
Internal M.2 1x M.2 2230 Key E (for WiFi expansion option)

Multimedia

Speakers Optional Speaker

Thermal and Environmental

Operating Temperature Array (32°F – 122°F; Optional -4°F – 140°F)
Storage Temperature Array (-22°F – 158°F)
Humidity Range 10% – 95% Non-condensing
Cooling Solution Passive – Fanless with Heatsink

Touch Screen

Touch Screen	Projected Capacitive, Resistive
Light Transmission	Over 80% (Resistive), Over 90% (P-Cap)
Lifetime Usage	50,000 hrs

External I/O ports

USB	2x USB 2.0, 2x USB 3.2
Serial / Com	1x COM
Serial Protocol Detail	RS-232/422/485 (Default RS-232; select via BIOS)
Ethernet / LAN	2x RJ45 2.5 GbE LAN
Video Outputs	1x DisplayPort, supports DP++
Audio	1x Audio Line-Out
Power Input Port	3-Pin DC-In (Phoenix Type)

Power

Input Voltage Range	9-36V DC
Standard Power Adapter	Optional 12V AC/DC Adapter, 5A, 60W

Battery

Type	Optional Internal Battery
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Operating Systems

Windows	Windows 11 Pro, Windows 10 IoT, Windows 10 Pro
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Compatibility

Enclosure

Material	Aluminum
Ip Rating	IP66 Front Bezel
Color	Gray
Mounting Options	Panel Mount, VESA 75 Mount

Peripherals & Wireless Connectivity

WiFi	Optional WiFi
BlueTooth	Optional Bluetooth 4.0

Dimensions / Weight

Weight	3.1 KG (6.8 lbs)
Dimensions	328 x 57.6 x 227 mm (12.9 x 2.3 x 8.9 in)

Certification

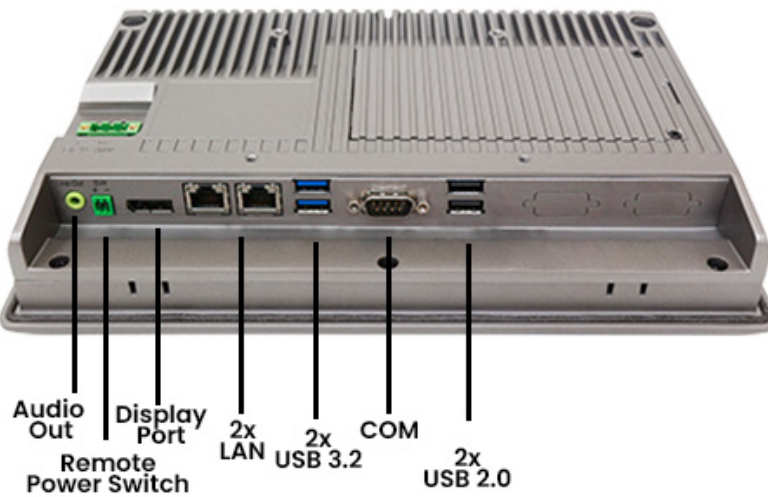
Warranty

Warranty	Up to 5 Years
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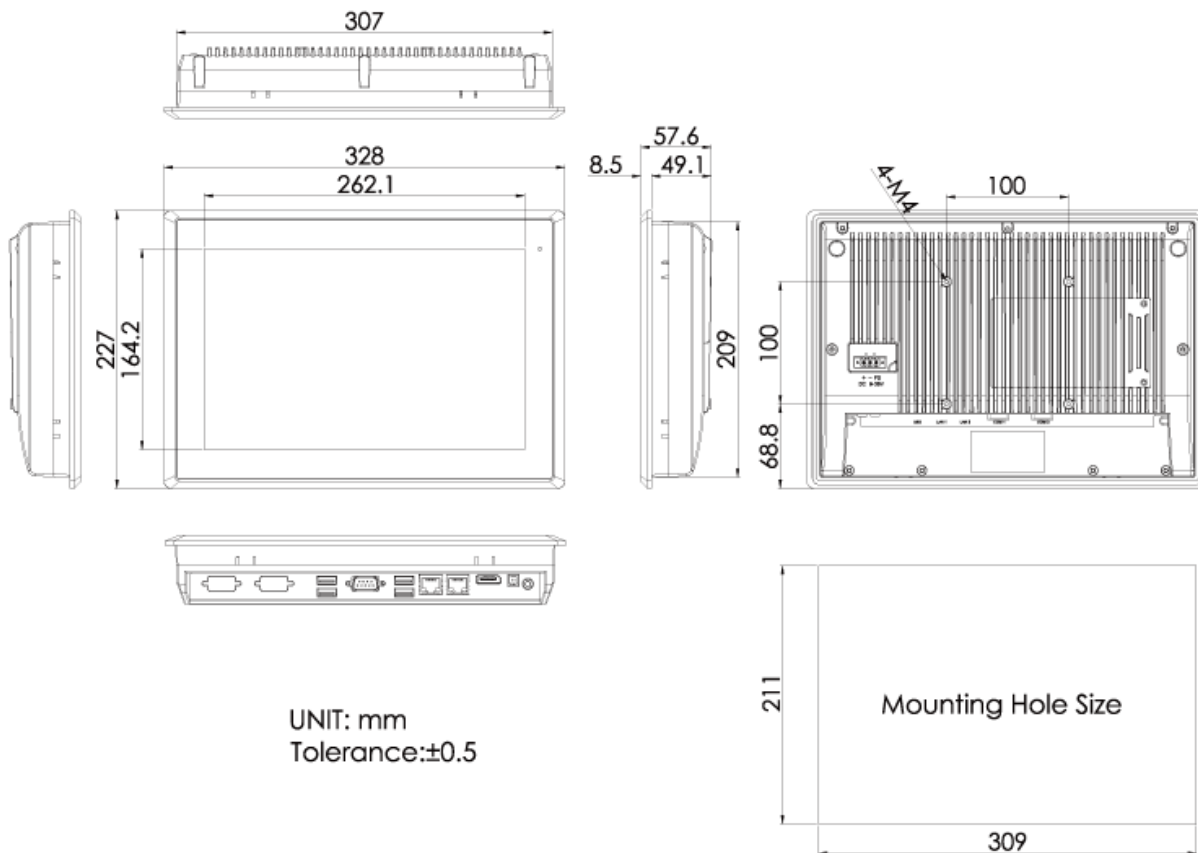
Filters

Main Category Filter	Industrial Computer
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Inputs / Outputs



Technical Drawings



All specifications are subject to change without notice.